

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING

To:

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135-080 Seoul, Republic of Korea

PCT

WRITTEN OPINION

(PCT Rule 66)

Date of mailing  
(day/month/year) 19 APRIL 2005 (19.04.2005)Applicant's or agent's file reference  
PCT307REPLY DUE within 2 months from  
the above date of mailingInternational application No.  
**PCT/KR2003/000992**International filing date (day/month/year)  
**20 MAY 2003 (20.05.2003)**Priority date(day/month/year)  
14 APRIL 2003 (14.04.2003)

International Patent Classification (IPC) or both national classification and IPC

IPC7 G06F 12/16

Applicant

**HAURI, INC. et al**

1. This written opinion is the \_\_\_\_\_ (first, etc.) drawn by this International Preliminary Examining Authority.

2. This opinion contains indications relating to the following items:

- I ☒ Basis of the opinion
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

3. The applicant is hereby invited to reply to this opinion.

When ? See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension, see Rule 66.2(d)

How ? By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3  
For the form and the language of the amendments, see Rules 66.8 and 66.9Also For an additional opportunity to submit amendments, see Rule 66.4  
For an examiner's obligation to consider amendments and/or arguments, see Rule 66.4bis  
For an informal communication with the examiner, see Rule 66.6

If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.

4. The final date by which the international preliminary examination report must be established according to Rule 69.2 is: **04 AUGUST 2005 (04.08.2005)**

Name and mailing address of the IPEA/KR

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920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

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Authorized officer

KANG, Gab Youn

Telephone No. 82-42-481-5914



# WRITTEN OPINION

International application No.

PCT/KR2003/000992

## I. Basis of the opinion

### 1. With regard to the elements of the international application:\*

- ☒ the international application as originally filed
- ☐ the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the claims:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, as amended (together with any statement) under Article 19  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the drawings:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

### 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language English which is

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☒ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

### 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the written opinion was drawn on the basis of the sequence listing:

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheet/fig \_\_\_\_\_

### 5. ☐ This opinion has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed."

# WRITTEN OPINION

International application No.

PCT/KR2003/000992

## V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	1-20	YES
	Claims	None	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-20	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims	None	NO

### 2. Citations and explanations

다음의 조사보고서에서 언급된 문헌을 근거로 본 의견서를 작성하겠습니다.

D1 = JP 07-319690 A (1995.12.08)

본원발명은 바이러스에 감염될 수 있는 영역에 대한 정보, 특히 현재 메모리에 상주하는 프로세스와 쓰레드를 빠짐없이 정확하게 검사하는 것이 가능하고, 메모리를 감염시키는 바이러스를 완벽하게 치료할 수 있는 컴퓨터 바이러스 치료방법, 장치 및 그 프로그램을 기록한 컴퓨터판독가능한 기록매체를 청구하고 있으나,

D1의 데이터처리에 관한 각종 표시를 행하는 표시부와 데이터처리를 수행하는 시스템부와 데이터입력을 행하는 데이터입력부를 구비한 프로그램 실행시스템에 있어서, OS 내의 에러처리부 내의 기입방지기능의 내용의 개서의 유무를 판단하고, 「기입방지기능의 내용이 개서되어 있다」고 판정되는 경우 실행가능 프로그램에 대한 컴퓨터 바이러스 감염을 인식하는 개서감시부와, 이 개서감시부에 의해 컴퓨터 바이러스의 감염이 인식된 경우 그 취지를 나타내는 경고메시지를 표시부에 표시시키는 감염대처부를 구비한 것을 특징으로 하는 컴퓨터바이러스 감염 감시·방지방법과 비교하여,

컴퓨터바이러스의 감염여부를 판단하고 감염된 부분이 있으면 이에 대한 대처[치료]방법을 제공하는 점에서 양발명이 유사합니다.

따라서 본원발명은 D1에 의해 쉽게 설계변경될 수 있는 구성으로 진보성이 없습니다.